

10/585,216

Connecting via Winsock to STN at pto-stn on port 23

Welcome to STN International! Enter x:X

LOGINID:sssptal201txs

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

```
* * * * * Welcome to STN International * * * * *
```

NEWS	1	DEC	21	CAS Learning Solutions -- a new online training experience
NEWS	2	JAN	24	The new and enhanced DPCI file on STN has been released
NEWS	3	JAN	26	Improved Timeliness of CAS Indexing Adds Value to USPATFULL and USPAT2 Chemistry Patents
NEWS	4	JAN	26	Updated MeSH vocabulary, new structured abstracts, and other enhancements improve searching in STN reload of MEDLINE
NEWS	5	JAN	28	CABA will be updated weekly
NEWS	6	FEB	23	PCTFULL file on STN completely reloaded
NEWS	7	FEB	23	STN AnaVist Test Projects Now Available for Qualified Customers
NEWS	8	FEB	25	LPCI will be replaced by LDPCI
NEWS	9	MAR	07	Pricing for SELECTing Patent, Application, and Priority Numbers in the USPAT and IFI Database Families is Now Consistent with Similar Patent Databases on STN
NEWS	10	APR	26	Expanded Swedish Patent Application Coverage in CA/CAplus Provides More Current and Complete Information
NEWS	11	APR	28	The DWPI (files WPINDEX, WPIDS and WPIX) on STN have been enhanced with thesauri for the European Patent Classifications
NEWS	12	MAY	02	MEDLINE Improvements Provide Fast and Simple Access to DOI and Chemical Name Information
NEWS	13	MAY	12	European Patent Classification thesauri added to the INPADOC files, PCTFULL, GBFULL and FRFULL
NEWS	14	MAY	23	Enhanced performance of STN biosequence searches
NEWS	15	MAY	23	Free Trial of the Numeric Property Search Feature in PCTFULL on STN
NEWS	16	JUN	20	STN on the Web Enhanced with New Patent Family Assistant and Updated Structure Plug-In
NEWS	17	JUN	20	INPADOC databases enhanced with first page images
NEWS	18	JUN	20	PATDPA database updates to end in June 2011
NEWS	19	JUN	26	MARPAT Enhancements Save Time and Increase Usability
NEWS	20	JUL	25	STN adds Australian patent full-text database, AUPATFULL, including the new numeric search feature.
NEWS	21	AUG	01	CA Sections Added to ACS Publications Web Editions Platform
NEWS	22	AUG	16	INPADOC: Coverage of German Patent Data resumed, enhanced legal status
NEWS	23	AUG	18	Upgrade now to STN Express, Version 8.5
NEWS	24	SEP	01	CAS Journal Coverage Now Includes Ahead-of-Print Articles for More Than 100 Journal Titles
NEWS	25	SEP	01	Older Versions of STN Express to be Discontinued Beginning in March 2012
NEWS	26	SEP	09	USAN Database Updates Offer Superior Currency on STN(R)
NEWS	27	SEP	26	STN Adds Canadian Patent Full-text Database - CANPATFULL

10/585,216

NEWS 28 SEP 26 GEOREF and ENCOMPLIT databases were reloaded on
September 24, 2011.
NEWS 29 SEP 26 Updates to the IFIPAT/IFIUDB/IFICDB databases have resumed.
NEWS 30 SEP 26 ECLA Thesaurus in CA/CAPLUS Improves Patent Searching on STN
NEWS 31 SEP 26 Access AUPATFULL and CANPATFULL databases with STN Viewer

NEWS EXPRESS 18 AUGUST 2011 CURRENT WINDOWS VERSION IS V8.5,
AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2011.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items

Enter NEWS followed by the item number or name to see news on that
specific topic.

All use of STN is subject to the provisions of the STN customer
agreement. This agreement limits use to scientific research. Use
for software development or design, implementation of commercial
gateways, or use of CAS and STN data in the building of commercial
products is prohibited and may result in loss of user privileges
and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 11:31:01 ON 27 SEP 2011

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.23	0.23

FILE 'REGISTRY' ENTERED AT 11:31:32 ON 27 SEP 2011
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2011 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 26 SEP 2011 HIGHEST RN 1333374-39-2
DICTIONARY FILE UPDATES: 26 SEP 2011 HIGHEST RN 1333374-39-2

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

TSCA INFORMATION NOW CURRENT THROUGH June 24, 2011.

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

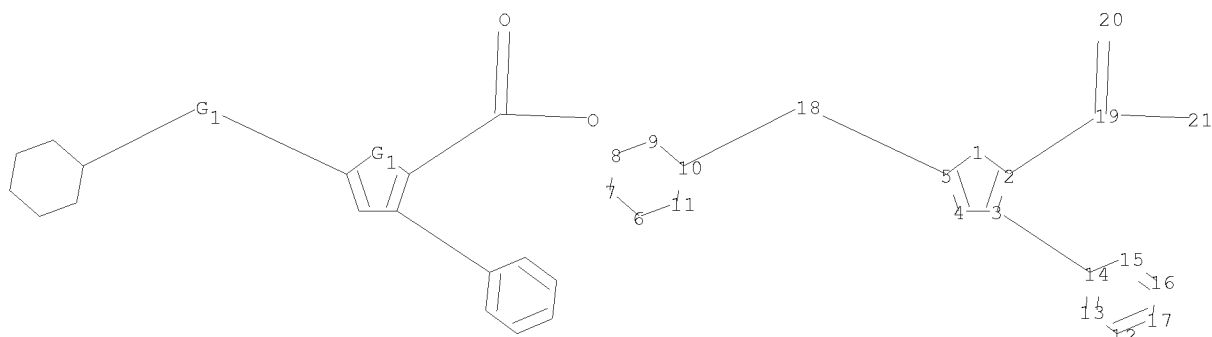
REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Users\tsolola\Documents\STN Express 8.4\Queries\10585216.str

10/585,216



chain nodes :

18 19 20 21

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

chain bonds :

2-19 3-14 5-18 10-18 19-20 19-21

ring bonds :

1-2 1-5 2-3 3-4 4-5 6-7 6-11 7-8 8-9 9-10 10-11 12-13 12-17 13-14

14-15 15-16 16-17

exact/norm bonds :

1-2 1-5 2-3 2-19 3-4 3-14 4-5 5-18 6-7 6-11 7-8 8-9 9-10 10-11 10-18

19-20 19-21

normalized bonds :

12-13 12-17 13-14 14-15 15-16 16-17

G1:O,S

Match level :

1:CLASS 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom

11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS 19:CLASS

20:CLASS 21:CLASS

L1 STRUCTURE UPLOADED

=> s l1

SAMPLE SEARCH INITIATED 11:31:53 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 2 TO ITERATE

100.0% PROCESSED 2 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 2 TO 124

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 ful

FULL SEARCH INITIATED 11:32:01 FILE 'REGISTRY'

10/585,216

FULL SCREEN SEARCH COMPLETED - 96 TO ITERATE

100.0% PROCESSED 96 ITERATIONS 4 ANSWERS
SEARCH TIME: 00.00.01

L3 4 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	196.86	197.09

FILE 'CAPLUS' ENTERED AT 11:32:09 ON 27 SEP 2011
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2011 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 27 Sep 2011 VOL 155 ISS 14
FILE LAST UPDATED: 26 Sep 2011 (20110926/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2011
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2011

CAPLUS now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2011.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

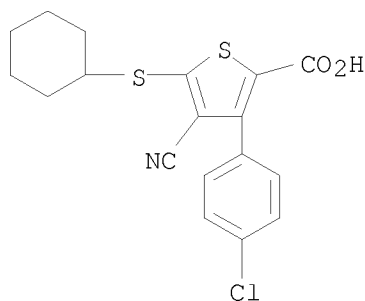
=> s l3

L4 4 L3

=> d l4 ibib hitstr abs 1-4

L4 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2011 ACS on STN
ACCESSION NUMBER: 2009:1163968 CAPLUS
DOCUMENT NUMBER: 151:462180
TITLE: Discovery of a New Class of Protein
Farnesyltransferase Inhibitors in the Arylthiophene
Series
AUTHOR(S): Lethu, Sebastien; Ginisty, Maryon; Bosc, Damien;
Dubois, Joelle
CORPORATE SOURCE: Institut de Chimie des Substances Naturelles, UPR2301
CNRS, Centre de Recherche de Gif-sur-Yvette,
Gif-sur-Yvette, 91198, Fr.
SOURCE: Journal of Medicinal Chemistry (2009), 52(20),

6205-6208
 CODEN: JMCMAR; ISSN: 0022-2623
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 151:462180
 IT 858280-91-8
 RL: DMA (Drug mechanism of action); PAC (Pharmacological activity); THU
 (Therapeutic use); BIOL (Biological study); USES (Uses)
 (arylthiophene protein farnesyltransferase inhibitors preparation and SAR)
 RN 858280-91-8 CAPLUS
 CN 2-Thiophenecarboxylic acid, 3-(4-chlorophenyl)-4-cyano-5-(cyclohexylthio)-
 (CA INDEX NAME)



AB Screening of the ICSN chemical library led to the discovery of 3-(4-chlorophenyl)-4-cyano-5-thioalkylthiophene 2-carboxylic acids as potent farnesyltransferase inhibitors. Enzymic kinetic studies showed that this original FTI series belongs to the CaaX competitive inhibitor class. Preliminary SAR studies allowed us to improve the IC50 from 110 to 7.5 nM.

OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2006:874416 CAPLUS

DOCUMENT NUMBER: 145:454889

TITLE: A novel class of AMPA receptor allosteric modulators. Part 1: Design, synthesis, and SAR of 3-aryl-4-cyano-5-substituted-heteroaryl-2-carboxylic acid derivatives

AUTHOR(S): Fernandez, Maria-Carmen; Castano, Ana; Dominguez, Esteban; Escribano, Ana; Jiang, Delu; Jimenez, Alma; Hong, Eric; Hornback, William J.; Nisenbaum, Eric S.; Rankl, Nancy; Tromiczak, Eric; Vaught, Grant; Zarrinmayeh, Hamideh; Zimmerman, Dennis M.

CORPORATE SOURCE: Avenida de la Industria, Lilly S.A., Madrid, 28108, Spain

SOURCE: Bioorganic & Medicinal Chemistry Letters (2006),

16(19), 5057-5061

CODEN: BMCLE8; ISSN: 0960-894X

PUBLISHER: Elsevier Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 145:454889

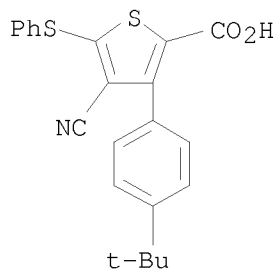
IT 913555-38-1P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(preparation of 3-aryl-4-cyano-5-substituted-heteroaryl-2-carboxylic acids as AMPA receptor allosteric modulators)

RN 913555-38-1 CAPLUS

CN 2-Thiophenecarboxylic acid, 4-cyano-3-[4-(1,1-dimethylethyl)phenyl]-5-(phenylthio)- (CA INDEX NAME)



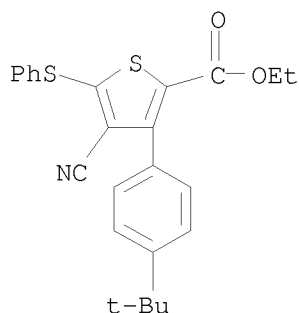
IT 918121-68-3P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of 3-aryl-4-cyano-5-substituted-heteroaryl-2-carboxylic acids as AMPA receptor allosteric modulators)

RN 918121-68-3 CAPLUS

CN 2-Thiophenecarboxylic acid, 4-cyano-3-[4-(1,1-dimethylethyl)phenyl]-5-(phenylthio)-, ethyl ester (CA INDEX NAME)



AB The synthesis and initial SAR studies of novel, highly potent pos. allosteric modulators of AMPA receptors based on 3-(4-tert-butylphenyl)-4-cyano-5-methylsulfanyltiophene-2-carboxylic acid are described. SAR studies at the thioether moiety indicated that substitution at this position was mandatory and better potency was achieved with small groups.

OS.CITING REF COUNT: 9 THERE ARE 9 CAPLUS RECORDS THAT CITE THIS RECORD (9 CITINGS)

REFERENCE COUNT: 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2006:263901 CAPLUS

DOCUMENT NUMBER: 144:368110

TITLE: Small Molecules That Enhance the Catalytic Efficiency of HLA-DM

AUTHOR(S): Nicholson, Melissa J.; Moradi, Babak; Seth, Nilufer P.; Xing, Xuechao; Cuny, Gregory D.; Stein, Ross L.; Wucherpfennig, Kai W.

CORPORATE SOURCE: Department of Cancer Immunology and AIDS, Dana-Farber Cancer Institute, Boston, MA, 02115, USA

SOURCE: Journal of Immunology (2006), 176(7), 4208-4220
CODEN: JOIMA3; ISSN: 0022-1767

PUBLISHER: American Association of Immunologists

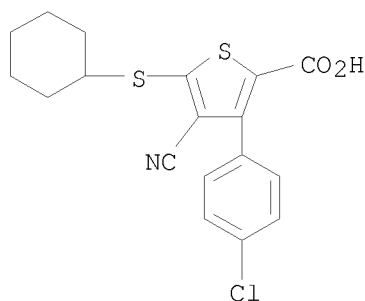
DOCUMENT TYPE: Journal

LANGUAGE: English

IT 858280-91-8
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(small mol. enhancement of HLA-DM catalysis of HLA-DR/peptide exchange)

RN 858280-91-8 CAPLUS

CN 2-Thiophenecarboxylic acid, 3-(4-chlorophenyl)-4-cyano-5-(cyclohexylthio)-
(CA INDEX NAME)



AB HLA-DM plays a critical role in Ag presentation to CD4 T cells by catalyzing the exchange of peptides bound to MHC class II mols. Large lateral surfaces involved in the DM:HLA-DR interaction have been defined, but the mechanism of catalysis is not understood. In this study, the authors describe four small mols. that accelerate DM-catalyzed peptide exchange. Mechanistic studies demonstrate that these small mols. substantially enhance the catalytic efficiency of DM, indicating that they make the transition state of the DM:DR/peptide complex energetically more favorable. These compds. fall into two functional classes: two compds. are active only in the presence of DM, and binding data for one show a direct interaction with DM. The remaining two compds. have partial activity in the absence of DM, suggesting that they may act at the interface between DM and DR/peptide. A hydrophobic ridge in the DMβ1 domain was implicated in the catalysis of peptide exchange because the activity of three of these enhancers was substantially reduced by point mutations in this area.

OS.CITING REF COUNT: 18 THERE ARE 18 CAPLUS RECORDS THAT CITE THIS RECORD (18 CITINGS)

REFERENCE COUNT: 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2005:638862 CAPLUS

DOCUMENT NUMBER: 143:126778

TITLE: Thiophene derivatives for up-regulating HLA-DM activity

10/585,216

INVENTOR(S): Nicholson, Melissa; Wucherpfennig, Kai; Stein, Ross
L.; Yeh, Li-An; Cuny, Gregory D.
PATENT ASSIGNEE(S): The Brigham and Women's Hospital, Inc., USA;
Dana-Farber Cancer Institute, Inc.
SOURCE: PCT Int. Appl., 92 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	---	-----	-----	-----
WO 2005066152	A1	20050721	WO 2004-US43950	20041229
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 20100143404	A1	20100610	US 2009-585216	20090106
PRIORITY APPLN. INFO.:			US 2003-533720P	P 20031230
			WO 2004-US43950	W 20041229

OTHER SOURCE(S): MARPAT 143:126778

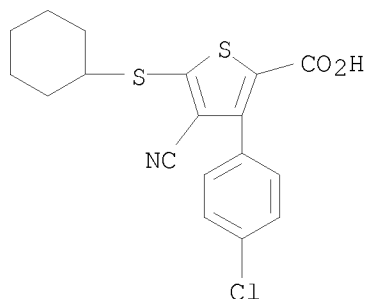
IT 858280-91-8P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)

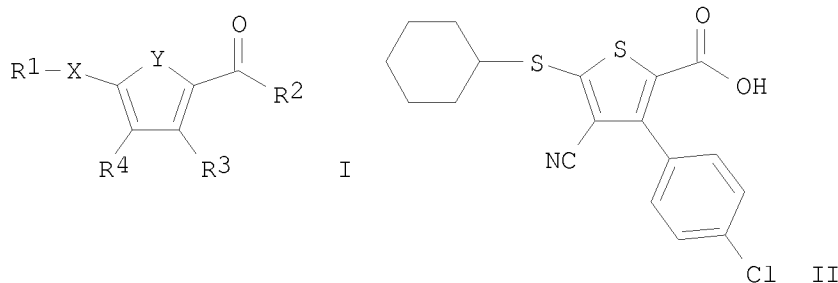
(thiophene derivs. for up-regulating HLA-DM activity)

RN 858280-91-8 CAPLUS

CN 2-Thiophenecarboxylic acid, 3-(4-chlorophenyl)-4-cyano-5-(cyclohexylthio)-
(CA INDEX NAME)



GI



AB Compds. I [R1 = alkyl, aryl, heterocyclyl; R2 = H, alkyl, aryl, heterocyclyl, OR3, N(R3)2; R3 = H, alkyl, aryl, heterocyclyl; R4 = H, CN, halo, CF3, CO2R3, CON(R3)2; X = S, SO2, O, NR3; Y = S, O, NR3], compns., methods and kits are provided. The compds. and compns. may be particularly useful for modulating immunol. responses. Preparation of II is included.

OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file reg

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
30.08	227.17

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-3.48	-3.48

CA SUBSCRIBER PRICE

FILE 'REGISTRY' ENTERED AT 11:39:03 ON 27 SEP 2011

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2011 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 26 SEP 2011 HIGHEST RN 1333374-39-2

DICTIONARY FILE UPDATES: 26 SEP 2011 HIGHEST RN 1333374-39-2

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

TSCA INFORMATION NOW CURRENT THROUGH June 24, 2011.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

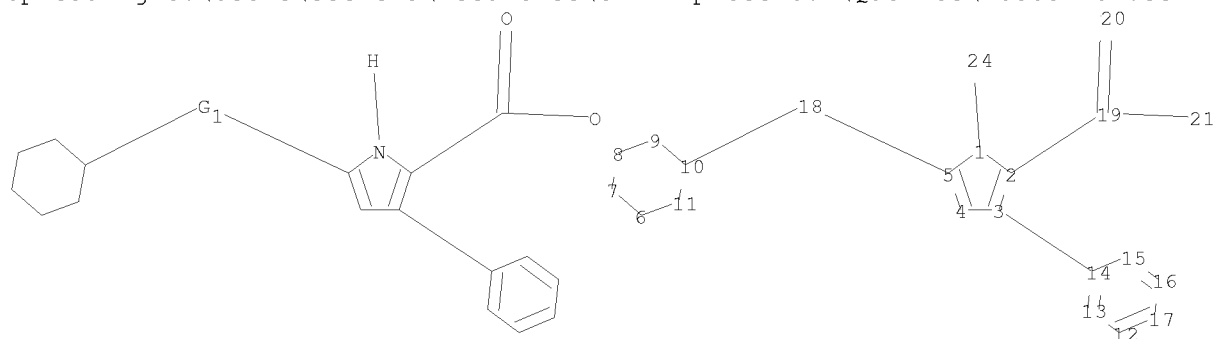
REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

10/585,216

<http://www.cas.org/support/stngen/stdoc/properties.html>

=>

Uploading C:\Users\tsolola\Documents\STN Express 8.4\Queries\105852161.str



chain nodes :

18 19 20 21 24

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

chain bonds :

1-24 2-19 3-14 5-18 10-18 19-20 19-21

ring bonds :

1-2 1-5 2-3 3-4 4-5 6-7 6-11 7-8 8-9 9-10 10-11 12-13 12-17 13-14
14-15 15-16 16-17

exact/norm bonds :

1-2 1-5 2-3 3-4 4-5 5-18 6-7 6-11 7-8 8-9 9-10 10-11 10-18 19-20
19-21

exact bonds :

1-24 2-19 3-14

normalized bonds :

12-13 12-17 13-14 14-15 15-16 16-17

G1:O,S

Match level :

1:CLASS 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS 19:CLASS
20:CLASS 21:CLASS 24:CLASS

L5 STRUCTURE UPLOADED

=> s 15

SAMPLE SEARCH INITIATED 11:39:25 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 3 TO ITERATE

100.0% PROCESSED 3 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 3 TO 163

PROJECTED ANSWERS: 0 TO 0

10/585,216

L6 0 SEA SSS SAM L5

=> s 15 ful
FULL SEARCH INITIATED 11:39:31 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 45 TO ITERATE

100.0% PROCESSED 45 ITERATIONS 4 ANSWERS
SEARCH TIME: 00.00.01

L7 4 SEA SSS FUL L5

=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	196.86	424.03
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-3.48

FILE 'CAPLUS' ENTERED AT 11:39:42 ON 27 SEP 2011
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2011 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 27 Sep 2011 VOL 155 ISS 14
FILE LAST UPDATED: 26 Sep 2011 (20110926/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2011
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2011

CAplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2011.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 17
L8 1 L7

=> dup rem 14 17
DUPLICATE IS NOT AVAILABLE IN 'REGISTRY'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION

10/585,216

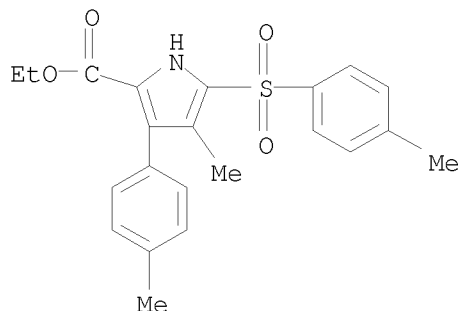
FULL ESTIMATED COST	0.52	424.55
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-3.48

FILE 'CAPLUS' ENTERED AT 11:40:10 ON 27 SEP 2011
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2011 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'REGISTRY' ENTERED AT 11:40:10 ON 27 SEP 2011
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2011 American Chemical Society (ACS)
PROCESSING COMPLETED FOR L4
PROCESSING COMPLETED FOR L7
L9 8 DUP REM L4 L7 (0 DUPLICATES REMOVED)

=> d l8 ibib hitstr abs

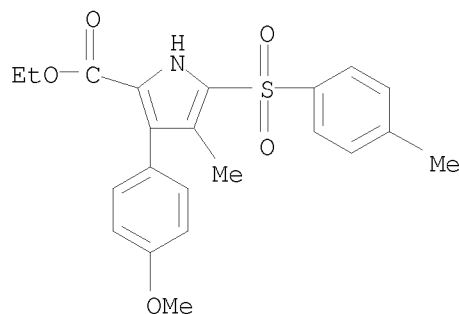
L8 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2011 ACS on STN
ACCESSION NUMBER: 1996:717134 CAPLUS
DOCUMENT NUMBER: 126:18741
ORIGINAL REFERENCE NO.: 126:3893a,3896a
TITLE: Syntheses of 3,4-disubstituted 2-tosylpyrroles and
5-tosyl-1,5-dihydro-2H-pyrrol-2-ones starting from
ethyl 3,4-disubstituted 2-pyrrolicarboxylates
AUTHOR(S): Murata, Yasue; Kinoshita, Hideki; Inomata, Katsuhiko
CORPORATE SOURCE: Fac. Sci., Kanazawa Univ., Ishikawa, 920-11, Japan
SOURCE: Bulletin of the Chemical Society of Japan (1996),
69(11), 3339-3344
CODEN: BCSJA8; ISSN: 0009-2673
PUBLISHER: Nippon Kagakkai
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 126:18741
IT 184422-59-1P 184422-61-5P 184422-65-9P
184422-67-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation of disubstituted tosylpyrroles and tosyldihydropyrrolones
starting from Et disubstituted pyrrolicarboxylates)
RN 184422-59-1 CAPLUS
CN 1H-Pyrrole-2-carboxylic acid, 4-methyl-3-(4-methylphenyl)-5-[(4-
methylphenyl)sulfonyl]-, ethyl ester (CA INDEX NAME)



10/585,216

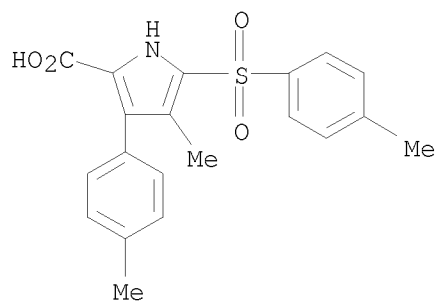
RN 184422-61-5 CAPLUS

CN 1H-Pyrrole-2-carboxylic acid, 3-(4-methoxyphenyl)-4-methyl-5-[(4-methylphenyl)sulfonyl]-, ethyl ester (CA INDEX NAME)



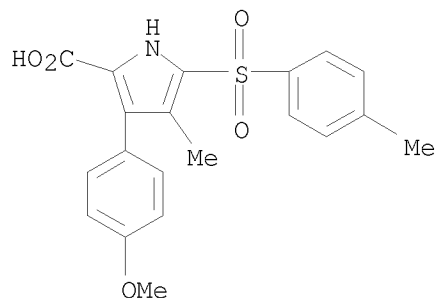
RN 184422-65-9 CAPLUS

CN 1H-Pyrrole-2-carboxylic acid, 4-methyl-3-(4-methylphenyl)-5-[(4-methylphenyl)sulfonyl]- (CA INDEX NAME)



RN 184422-67-1 CAPLUS

CN 1H-Pyrrole-2-carboxylic acid, 3-(4-methoxyphenyl)-4-methyl-5-[(4-methylphenyl)sulfonyl]- (CA INDEX NAME)



AB The syntheses of 3,4-disubstituted 2-tosylpyrroles and 5-tosyl-1,5-dihydro-2H-pyrrol-2-ones were accomplished via 3,4-disubstituted 2-iodo-5-tosylpyrroles starting from Et 3,4-disubstituted 2-pyrrolicarboxylates.

OS.CITING REF COUNT: 10 THERE ARE 10 CAPLUS RECORDS THAT CITE THIS

10/585,216

REFERENCE COUNT: 10 RECORD (10 CITINGS)
THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file reg
COST IN U.S. DOLLARS
FULL ESTIMATED COST
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)
CA SUBSCRIBER PRICE

SINCE FILE ENTRY	TOTAL SESSION
9.07	433.62
SINCE FILE ENTRY	TOTAL SESSION
-0.87	-4.35

FILE 'REGISTRY' ENTERED AT 11:43:22 ON 27 SEP 2011
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2011 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 26 SEP 2011 HIGHEST RN 1333374-39-2
DICTIONARY FILE UPDATES: 26 SEP 2011 HIGHEST RN 1333374-39-2

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

TSCA INFORMATION NOW CURRENT THROUGH June 24, 2011.

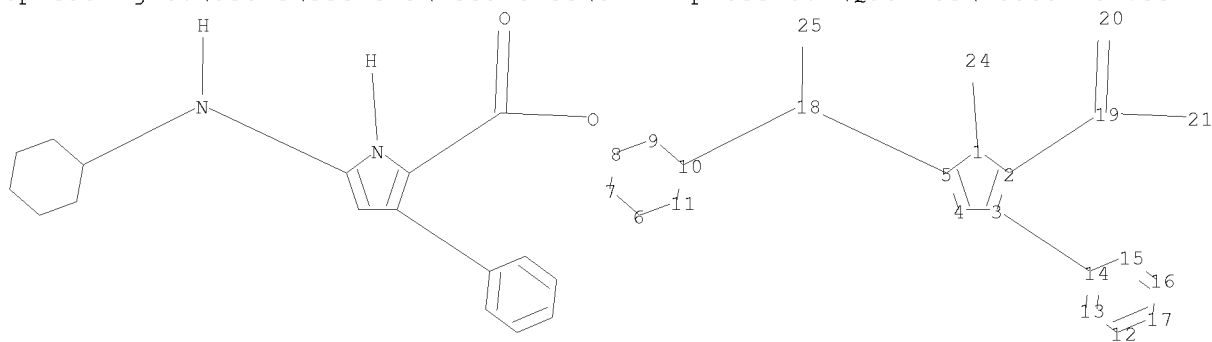
Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Users\tsolola\Documents\STN Express 8.4\Queries\105852162.str



chain nodes :
18 19 20 21 24 25

10/585,216

ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
chain bonds :
1-24 2-19 3-14 5-18 10-18 18-25 19-20 19-21
ring bonds :
1-2 1-5 2-3 3-4 4-5 6-7 6-11 7-8 8-9 9-10 10-11 12-13 12-17 13-14
14-15 15-16 16-17
exact/norm bonds :
1-2 1-5 2-3 3-4 4-5 5-18 6-7 6-11 7-8 8-9 9-10 10-11 10-18 19-20
19-21
exact bonds :
1-24 2-19 3-14 18-25
normalized bonds :
12-13 12-17 13-14 14-15 15-16 16-17

G1:O,S

Match level :
1:CLASS 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS 19:CLASS
20:CLASS 21:CLASS 24:CLASS 25:CLASS

L10 STRUCTURE UPLOADED

=> s l10
SAMPLE SEARCH INITIATED 11:43:45 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 75 TO ITERATE

100.0% PROCESSED 75 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 981 TO 2019
PROJECTED ANSWERS: 0 TO 0

L11 0 SEA SSS SAM L10

=> s l10 ful
FULL SEARCH INITIATED 11:43:52 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1691 TO ITERATE

100.0% PROCESSED 1691 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L12 0 SEA SSS FUL L10

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	197.88	631.50
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-4.35

10/585,216

FILE 'REGISTRY' ENTERED AT 11:45:01 ON 27 SEP 2011
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2011 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 26 SEP 2011 HIGHEST RN 1333374-39-2
DICTIONARY FILE UPDATES: 26 SEP 2011 HIGHEST RN 1333374-39-2

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

TSCA INFORMATION NOW CURRENT THROUGH June 24, 2011.

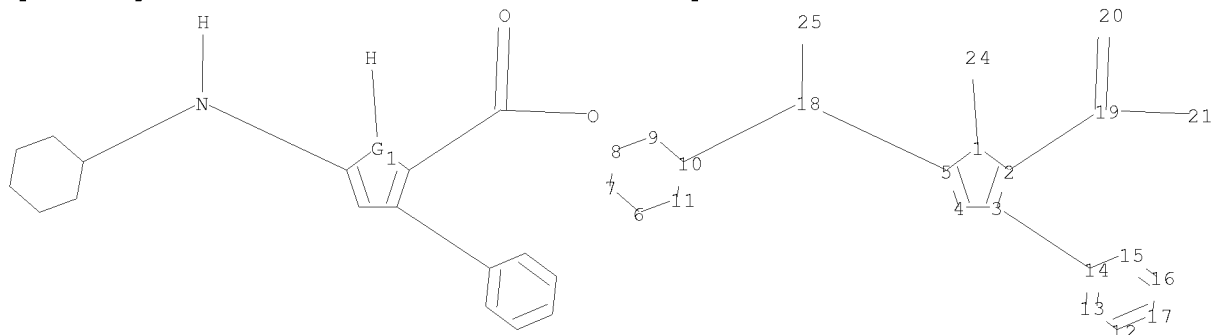
Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

=>

Uploading C:\Users\tsolola\Documents\STN Express 8.4\Queries\105852163.str



chain nodes :

18 19 20 21 24 25

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

chain bonds :

1-24 2-19 3-14 5-18 10-18 18-25 19-20 19-21

ring bonds :

1-2 1-5 2-3 3-4 4-5 6-7 6-11 7-8 8-9 9-10 10-11 12-13 12-17 13-14
14-15 15-16 16-17

exact/norm bonds :

1-2 1-5 1-24 2-3 2-19 3-4 3-14 4-5 5-18 6-7 6-11 7-8 8-9 9-10 10-11
10-18 18-25 19-20 19-21

normalized bonds :

12-13 12-17 13-14 14-15 15-16 16-17

10/585,216

G1:O,S

Match level :

1:CLASS 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS 19:CLASS
20:CLASS 21:CLASS 24:CLASS 25:CLASS

L13 STRUCTURE UPLOADED

=> s l13

SAMPLE SEARCH INITIATED 11:45:59 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 7 TO ITERATE

100.0% PROCESSED 7 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 7 TO 298

PROJECTED ANSWERS: 0 TO 0

L14 0 SEA SSS SAM L13

=> s l13 ful

FULL SEARCH INITIATED 11:46:06 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 158 TO ITERATE

100.0% PROCESSED 158 ITERATIONS

13 ANSWERS

SEARCH TIME: 00.00.01

L15 13 SEA SSS FUL L13

=> dup rem l4 l7 l15

DUPLICATE IS NOT AVAILABLE IN 'REGISTRY'.

ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

197.37

828.87

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

0.00

-4.35

FILE 'CAPLUS' ENTERED AT 11:46:24 ON 27 SEP 2011

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2011 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'REGISTRY' ENTERED AT 11:46:24 ON 27 SEP 2011

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2011 American Chemical Society (ACS)

PROCESSING COMPLETED FOR L4

PROCESSING COMPLETED FOR L7

PROCESSING COMPLETED FOR L15

L16 21 DUP REM L4 L7 L15 (0 DUPLICATES REMOVED)

10/585,216

=> d 115 ibib hitstr abs 1-13

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	1.55	830.42
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-4.35

FILE 'CAPLUS' ENTERED AT 11:47:31 ON 27 SEP 2011
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2011 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 27 Sep 2011 VOL 155 ISS 14
FILE LAST UPDATED: 26 Sep 2011 (20110926/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2011
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2011

CAplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2011.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 115

L17 7 L15

=> dup rem 14 17 117

DUPLICATE IS NOT AVAILABLE IN 'REGISTRY'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.52	830.94
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-4.35

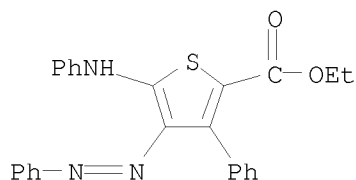
FILE 'CAPLUS' ENTERED AT 11:47:54 ON 27 SEP 2011
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2011 AMERICAN CHEMICAL SOCIETY (ACS)

10/585,216

FILE 'REGISTRY' ENTERED AT 11:47:54 ON 27 SEP 2011
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2011 American Chemical Society (ACS)
PROCESSING COMPLETED FOR L4
PROCESSING COMPLETED FOR L7
PROCESSING COMPLETED FOR L17
L18 15 DUP REM L4 L7 L17 (0 DUPLICATES REMOVED)

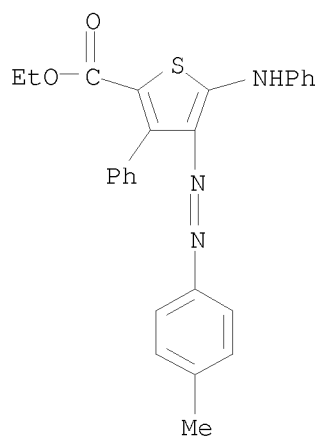
=> d 117 ibib hitstr abs 1-7

L17 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2011 ACS on STN
ACCESSION NUMBER: 2008:906517 CAPLUS
DOCUMENT NUMBER: 150:374370
TITLE: Thiocarbamoyl in Organic Synthesis: Synthesis of Some
New Arylazothiophene and Arylazopyrazole Derivatives
AUTHOR(S): Fadda, A. A.; Abdel-Latif, E.; El-Mekawy, Rasha E.
CORPORATE SOURCE: Chemistry Department, Faculty of Science, Mansoura
University, Mansoura, Egypt
SOURCE: Phosphorus, Sulfur and Silicon and the Related
Elements (2008), 183(8), 1940-1953
CODEN: PSSLEC; ISSN: 1042-6507
PUBLISHER: Taylor & Francis, Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 150:374370
IT 1134328-95-2P 1134328-97-4P 1134328-99-6P
1134329-01-3P 1134329-03-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of (arylaazo)thiophene and (arylaazo)pyrazole derivs. via
addition
of α -halocarbonyl compds., chloroacetonitrile, or hydrazine
hydrate to (arylaazo)thiocarbamate derivs. followed by
heterocyclization)
RN 1134328-95-2 CAPLUS
CN 2-Thiophenecarboxylic acid, 3-phenyl-5-(phenylamino)-4-(2-phenyldiazenyl)-
, ethyl ester (CA INDEX NAME)

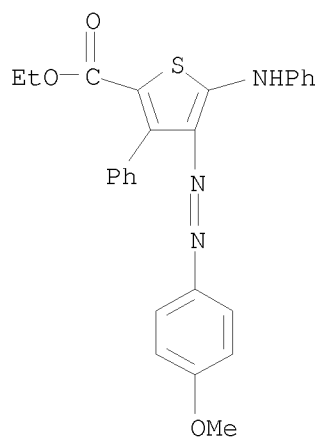


RN 1134328-97-4 CAPLUS
CN 2-Thiophenecarboxylic acid, 4-[2-(4-methylphenyl)diazenyl]-3-phenyl-5-(phenylamino)-, ethyl ester (CA INDEX NAME)

10/585,216

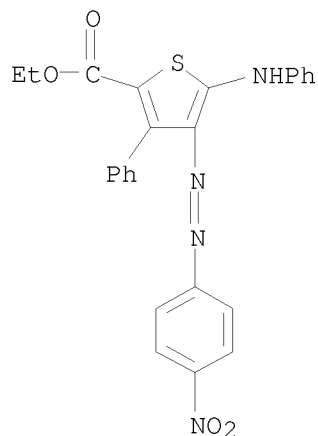


RN 1134328-99-6 CAPLUS
CN 2-Thiophenecarboxylic acid, 4-[2-(4-methoxyphenyl)diazenyl]-3-phenyl-5-(phenylamino)-, ethyl ester (CA INDEX NAME)



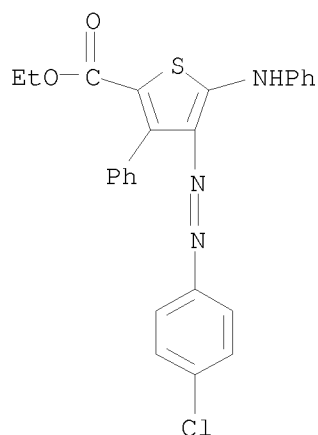
RN 1134329-01-3 CAPLUS
CN 2-Thiophenecarboxylic acid, 4-[2-(4-nitrophenyl)diazenyl]-3-phenyl-5-(phenylamino)-, ethyl ester (CA INDEX NAME)

10/585,216

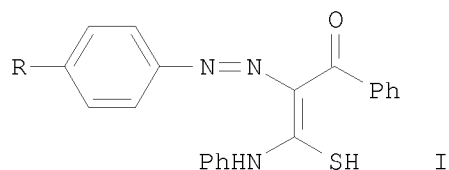


RN 1134329-03-5 CAPLUS

CN 2-Thiophenecarboxylic acid, 4-[2-(4-chlorophenyl)diazenyl]-3-phenyl-5-(phenylamino)-, ethyl ester (CA INDEX NAME)



GI



AB Tautomeric arylazothiobarbituric acid derivs. I (R = H, Me, OMe, NO₂, Cl) were utilized for the synthesis of several new thiophene and pyrazole derivs. I reacted with phenacyl bromide, Et bromoacetate, chloroacetonitrile, chloroacetone and hydrazine hydrate to yield the new thiophene and pyrazole derivs.

OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD

(2 CITINGS)

REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2005:618391 CAPLUS

DOCUMENT NUMBER: 144:292593

TITLE: Synthesis of substituted thieno[2,3-b]pyrroles by using isothiocyanates

AUTHOR(S): Sommen, Geoffroy; Comel, Alain; Kirsch, Gilbert

CORPORATE SOURCE: Laboratoire d'Ingenierie Moleculaire et de Biochimie Pharmacologique, Faculte de Sciences, Metz, 57045, Fr.

SOURCE: International Electronic Conferences on Synthetic Organic Chemistry, 5th, 6th, Sept. 1-30, 2001 and 2002 [and] 7th, 8th, Nov. 1-30, 2003 and 2004 (2004), 1325-1334. Editor(s): Seijas, Julio A. Molecular Diversity Preservation International: Basel, Switz. CODEN: 69GTCO

DOCUMENT TYPE: Conference; (computer optical disk)

LANGUAGE: English

OTHER SOURCE(S): CASREACT 144:292593

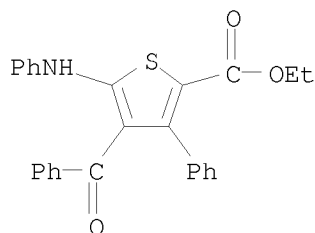
IT 393802-95-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of thiophenes via addition of dicarbonyl derivs. to Ph isothiocyanate followed by Dieckmann condensation with bromoacetate, chloroacetonitrile, or mercaptoacetate)

RN 393802-95-4 CAPLUS

CN 2-Thiophenecarboxylic acid, 4-benzoyl-3-phenyl-5-(phenylamino)-, ethyl ester (CA INDEX NAME)



IT 393802-94-3P

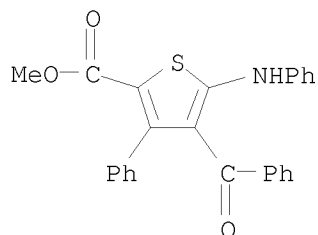
RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of thiophenes via addition of dicarbonyl derivs. to Ph isothiocyanate followed by Dieckmann condensation with bromoacetate, chloroacetonitrile, or mercaptoacetate)

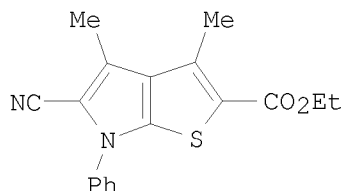
RN 393802-94-3 CAPLUS

CN 2-Thiophenecarboxylic acid, 4-benzoyl-3-phenyl-5-(phenylamino)-, methyl ester (CA INDEX NAME)

10/585,216



GI



I

AB Thieno[2,3-b]pyrroles, e.g., I, can easily be synthesized in two steps by using isothiocyanates and activated methylenes compds. 1,3-Dicarbonyl derivs. underwent addition to Ph isothiocyanate followed by Dieckmann condensation to give substituted thiophenes. These thiophenes were cyclized with bromoacetates or chloroacetonitrile to give the thienopyrroles.

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2004:255193 CAPLUS

DOCUMENT NUMBER: 141:277587

TITLE: Synthesis of 2,3-Dihydro-1,3,4-thiadiazole, thiazole, and triazolo[4,3-a]pyrimidine derivatives from ethyl benzoyl-acetate

AUTHOR(S): Rateb, Nora M.; Abdelhamid, Abdou O.

CORPORATE SOURCE: Department of Chemistry, Faculty of Science, Cairo University, Giza, Egypt

SOURCE: Heteroatom Chemistry (2004), 15(2), 107-113

CODEN: HETCE8; ISSN: 1042-7163

PUBLISHER: John Wiley & Sons, Inc.

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 141:277587

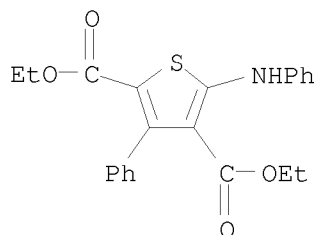
IT 758696-41-2P

RL: SPN (Synthetic preparation); PREP (Preparation)

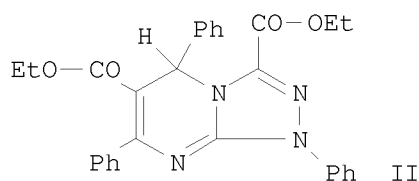
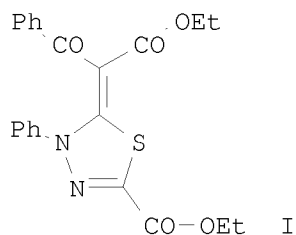
(synthesis and mol. structure of 2,3-dihydro-1,3,4-thiadiazole, thiazole, and triazolo[4,3-a]pyrimidine derivs. from Et benzoyl-acetate via cyclocondensation reaction)

RN 758696-41-2 CAPLUS

CN 2,4-Thiophenedicarboxylic acid, 3-phenyl-5-(phenylamino)-, 2,4-diethyl ester (CA INDEX NAME)



GI



AB Thiophene and thiazole derivs. can be obtained from potassium salt of Et 3-oxo-3-phenyl-2-[(phenylamino)thioxo-methyl]propanoate and Et chloroacetate in N,N-dimethylformamide solution under different conditions. 2,3-Dihydro-1,3,4-thiadiazoles, e.g. I, and triazolo[4,3-a]pyrimidine, e.g. II, were obtained from cyclocondensation reaction of hydrazonoyl halides with each of thio-anilide and pyrimidine-2-thione, resp. Structures of the newly synthesized compds. were elucidated on the basis of elemental anal., spectral data, and alternative synthesis route whenever possible.

OS.CITING REF COUNT: 10 THERE ARE 10 CAPLUS RECORDS THAT CITE THIS RECORD (10 CITINGS)

REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2003:114755 CAPLUS

DOCUMENT NUMBER: 139:36463

TITLE: Preparation of thieno[2,3-b]pyrroles starting from ketene-N,S-acetals

AUTHOR(S): Sommen, Geoffroy; Comel, Alain; Kirsch, Gilbert

CORPORATE SOURCE: Faculte des Sciences, Laboratoire d'Ingenierie Moleculaire et Biochimie Pharmacologique, Universite de Metz, Ile du Saulcy, Metz, 57045, Fr.

SOURCE: Tetrahedron (2003), 59(9), 1557-1564

CODEN: TETRAB; ISSN: 0040-4020

PUBLISHER: Elsevier Science Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 139:36463

IT 393802-95-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

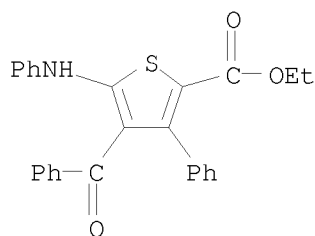
(preparation of thieno[2,3-b]pyrroles from ketene-N,S-acetals)

RN 393802-95-4 CAPLUS

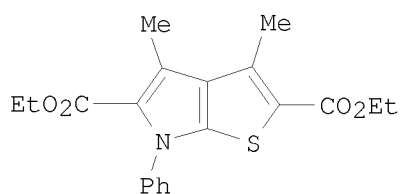
CN 2-Thiophenecarboxylic acid, 4-benzoyl-3-phenyl-5-(phenylamino)-, ethyl

10/585,216

ester (CA INDEX NAME)



GI



I

AB Thieno[2,3-b]pyrroles (e.g. I) can easily be synthesized in two different ways by using Ph isothiocyanate and activated methylene compds. The priority of the formation of the thiophene or pyrrole ring is investigated.

OS.CITING REF COUNT: 22 THERE ARE 22 CAPLUS RECORDS THAT CITE THIS RECORD (22 CITINGS)

REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2001:925514 CAPLUS

DOCUMENT NUMBER: 136:385983

TITLE: An improved method for the synthesis of aminothiophenes precursors of thieno[2,3-b]pyrrole

AUTHOR(S): Sommen, Geoffroy; Comel, Alain; Kirsch, Gilbert

CORPORATE SOURCE: Laboratoire d'Ingenierie Moleculaire et de Biochimie Pharmacologique, Faculte des Sciences, Metz, Ile du Saulcy, 57045, Fr.

SOURCE: Tetrahedron Letters (2002), 43(2), 257-259

CODEN: TELEAY; ISSN: 0040-4039

PUBLISHER: Elsevier Science Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

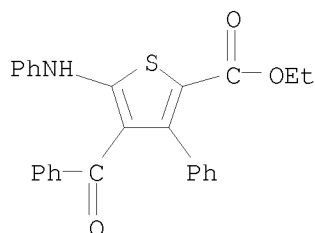
OTHER SOURCE(S): CASREACT 136:385983

IT 393802-95-4P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of aminothiophenes from active methylene compds.,
isothiocyanate and thioglycolate)

RN 393802-95-4 CAPLUS

CN 2-Thiophenecarboxylic acid, 4-benzoyl-3-phenyl-5-(phenylamino)-, ethyl ester (CA INDEX NAME)



AB Thiophenes can easily be synthesized in two steps by using Ph isothiocyanate and activated methylene compds.

OS.CITING REF COUNT: 22 THERE ARE 22 CAPLUS RECORDS THAT CITE THIS RECORD (22 CITINGS)

REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2001:829985 CAPLUS

DOCUMENT NUMBER: 136:151090

TITLE: An easy access to variously substituted

thieno[2,3-b]pyrroles by using isothiocyanates

AUTHOR(S): Sommen, Geoffroy; Comel, Alain; Kirsch, Gilbert

CORPORATE SOURCE: Laboratoire d'Ingenierie Moleculaire et de Biochimie Pharmacologique, Faculte des Sciences, Metz, 57045, Fr.

SOURCE: Synlett (2001), (11), 1731-1734

CODEN: SYNLES; ISSN: 0936-5214

PUBLISHER: Georg Thieme Verlag

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 136:151090

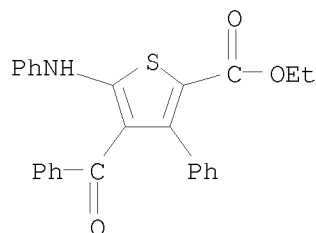
IT 393802-95-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of thieno[2,3-b]pyrroles from isothiocyanates and active methylene compds.)

RN 393802-95-4 CAPLUS

CN 2-Thiophenecarboxylic acid, 4-benzoyl-3-phenyl-5-(phenylamino)-, ethyl ester (CA INDEX NAME)



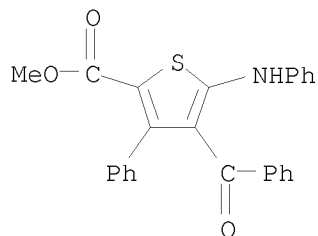
IT 393802-94-3P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of thieno[2,3-b]pyrroles from isothiocyanates and active methylene compds.)

RN 393802-94-3 CAPLUS

CN 2-Thiophenecarboxylic acid, 4-benzoyl-3-phenyl-5-(phenylamino)-, methyl ester (CA INDEX NAME)



AB Thieno[2,3-b]pyrroles can easily be synthesized in two steps by using isothiocyanates and activated methylene compds.

OS.CITING REF COUNT: 10 THERE ARE 10 CAPLUS RECORDS THAT CITE THIS RECORD (10 CITINGS)

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 1979:71982 CAPLUS

DOCUMENT NUMBER: 90:71982

ORIGINAL REFERENCE NO.: 90:11387a,11390a

TITLE: Basic rearrangement of 2-methylidyne thiazolidin-4-one. Part 2. Reactivity and biological activity in the thiazole series

AUTHOR(S): Dehne, H.; Krey, P.

CORPORATE SOURCE: Sekt. Biol./Chem., Paedagog. Hochsch. "Liselotte Herrmann", Guestrow, Ger. Dem. Rep.

SOURCE: Pharmazie (1978), 33(10), 687-8

CODEN: PHARAT; ISSN: 0031-7144

DOCUMENT TYPE: Journal

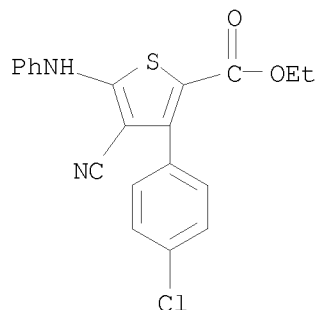
LANGUAGE: German

IT 69148-49-8P 69148-50-1P 69148-51-2P

RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)

RN 69148-49-8 CAPLUS

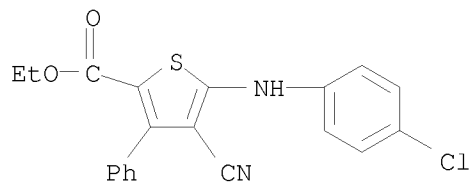
CN 2-Thiophenecarboxylic acid, 3-(4-chlorophenyl)-4-cyano-5-(phenylamino)-, ethyl ester (CA INDEX NAME)



RN 69148-50-1 CAPLUS

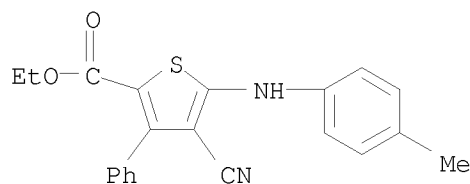
CN 2-Thiophenecarboxylic acid, 5-[(4-chlorophenyl)amino]-4-cyano-3-phenyl-, ethyl ester (CA INDEX NAME)

10/585,216

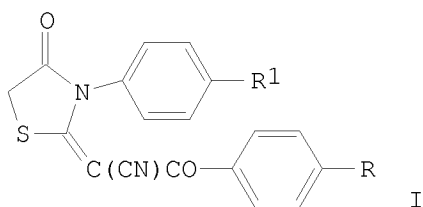


RN 69148-51-2 CAPLUS

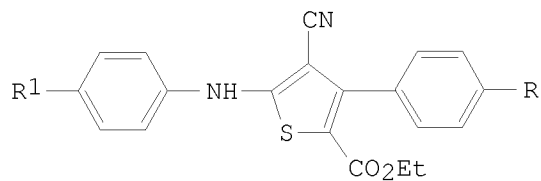
CN 2-Thiophenecarboxylic acid, 4-cyano-5-[(4-methylphenyl)amino]-3-phenyl-, ethyl ester (CA INDEX NAME)



GI



I



II

AB The thiazolidinones I (R = Cl; R1 = H, Cl, Me) reacted with NaOEt in EtOH to give ring opening, followed by cyclization to II.

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

42.75

873.69

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-6.09

-10.44

STN INTERNATIONAL LOGOFF AT 11:48:39 ON 27 SEP 2011

10/585,216